

Implementation and Development of a Proposed Payroll System

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ABSTRACT

Payroll software can be used to speed up the process of calculating pay, ensuring that payments are both accurate and on time. They save you the burden of learning and understanding complex Payroll legislation. Trouble free Payroll processing is a critical need of any business. Payroll software completes Payroll calculations within a fraction of the time it would take to do them manually, whilst you're Payroll staff might not like it, it makes perfect sense if you are trying to run a business. Another huge advantage of running Payroll software over a manual process is in the reporting, most systems allow, weekly, month and annually required reports to be run at the press of a button. Instead of shuffling through endless files let the software do the work. It possible with a lot of Payroll software to integrate with your time sheet systems that record employee attendance or time worked. It a

simple way for information about employee hours worked to be transferred into the Payroll System removing yet another layer of manual processing. Some companies choose to operate a swipe card door system whilst many others operate on a system login basis. Payroll software also provides the capability of "what-if" calculations. This helps in forecasting and planning staff costs and budgets. Entering hypothetical numbers allow you to compare the exact total cost of an employee under different remuneration scenarios. Some Payroll systems also allow more personnel based data to be stored such as records of annual leave and sick leave.

*The research on **Implementation and Development of a purposed Payroll System** is completely attached with database system. In this research we can attach visual basic 6.0 programming language, database with Crystal Reports. We can attach with database of a Payroll and generate the*

Payroll System with its development and implementation. If we required enter information on the form and create the print using print command then we are making a purposed system of Payroll. So my research is that if we required enter the data of employees or worker of any organization then we can create a purposed Payroll System of the organization, which is better for the organization to make an efficient system. This research is completely based on coding.

Keywords: - Visual Basic 6.0 Programming, Database, Visual Basic Programming Control i.e. ADO and Reporting tool Crystal Report.

INTRODUCTION

The payroll system keeps accurate employee data stored in an easily accessible database. The system has the ability to update and maintain employee information and to generate required outputs including paychecks, reports to management and reports to the government. Each week, data on the current pay period is entered into the system and verified. This data is used to update the employee master file with

appropriate additions, changes and deletions and to generate required output. Obviously a more detailed description would be done if I were actually documenting a system. I would include a systems flowchart at this point Sample documentation can include: Description/overview of system, systems flowchart, list of program in system, program descriptions, list of tables/files in system, file layouts and description, data dictionary for fields, list of reports in system and report layouts and description, list of screens in system and screen layouts and descriptions, controls. For each program the programmer could be asked to include program description, program specifications, logic flowchart, code, test data and sample run. Note if you are using a database such as Access, much of the documentation can be gotten from the structure of the database.

Example Program: Payroll System

Design a program that will accept as data input the hours worked and the hourly rate of an employee and calculates the overtime pay and gross pay. The program should display the hours worked, the net pay and the gross pay. Employees are paid time and a half for any hours worked over the basic forty. A **structure chart** has been developed for this system, showing the payroll system

calling **three procedures**. Each procedure is numbered in the hierarchy. This general

layout follows the idea of Input, Process and Output.

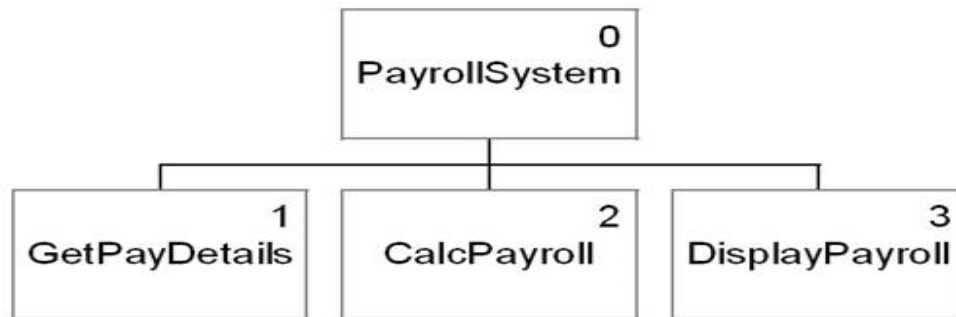


Figure1.Payroll System

PROBLEM FORMULATION

Before developing research we keep following things in mind so that we can develop powerful and quality research.

PROBLEM STATEMENT

Problem statement was to design a module:

- Which will be user friendly?
- Which will restrict the user from accessing other user's data?
- Which will help the user in viewing his data and privileges?
- Which will help the administrator to handle all changes?
- In which further additions can be made without changing its design drastically.

- Which would restrict the server traffic?

The term payroll encompasses every employee of a company who receives a regular wage or other compensation. Some employees may be paid a steady salary while others are paid for hours worked or the number of items produced. All of these different payment methods are calculated by a payroll specialist and the appropriate paychecks are issued. Companies often use objective measuring tools such as timecards or timesheets completed by supervisors to determine the total amount of payroll due each pay period. In a company, payroll is the sum of all financial records of salaries, wages, bonuses and deductions. The current Federal payroll service environment evolved

over many years of incremental changes that have been implemented in different ways across the Government.

FUNCTIONS TO BE PROVIDED

The various features that the proposed system will possess will be:

- The system will be user friendly and completely menu-driven so that users shall have no problem in using all the options provided.
- The system will be efficient and fast in response by careful programming.
- The system will be customized according to the needs of the organization.
- It will provide overall security to database both from user as well as administrator side.

OBJECTIVE

According to the situation of the problem, a solution is provided to use a Visual Basic programming connects with database of Payroll System according to requirement of the user.

A payroll system should be geared toward paying employees what they earn within a reasonable time frame and accurately tracking paycheck amounts as well as tax

and benefit withholdings. Payroll systems should be thorough without being overly complex and cumbersome, and they should be designed thoughtfully enough to work well with a minimum of oversight. Having a well-designed payroll system is in the best interest of employees, business owners and human resources staff.

Accuracy is an important objective of a payroll system, because employees are entitled to be fairly compensated for the work they have done, and a company's financial well-being depends on not overpaying employees for the time they have worked. In addition, businesses are liable for payroll taxes on employee earnings as well as remitting payroll taxes that have been withheld from employee paychecks. Accuracy in payroll operations can save the hassle of time-consuming reconciliations as well as the expense of penalties

A payroll system should create paychecks and provide information in a timely manner. Employees are entitled to be paid on designated paydays. Failure to pay employees on time can lead to morale problems. In addition, timely information about company operations can help managers to make necessary adjustments

when they discover payroll costs that are disproportionately high. Timely payroll information facilitates timely filing of tax forms, saving money in penalties and interest.

A payroll system should be cost-effective by performing calculations efficiently and not taking more of the bookkeeper's time than necessary. In addition, an effective payroll system should provide detailed information about the relative efficiency of each of the company's operations, such as what percentage of employee hours are spent on manufacturing and what percentage are spent on deliveries. Distilling and evaluating this information enables bookkeepers and managers to evaluate whether the business is spending too much on a particular sector of operations and to proactively develop solutions.

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RESEARCH METHODOLOGY

What is Algorithm in Computer Science?

Algorithm is a process of problem-solving in step by step to get result. Algorithm is very importance for programmers to do computer programming because it figures out the programming process. Algorithm is a part of problem-solving techniques. After the problem has been raise, we have to analyze the problem first then the inputs and outputs are defined. After that we start to design the algorithm that is a process to transform inputs into outputs.

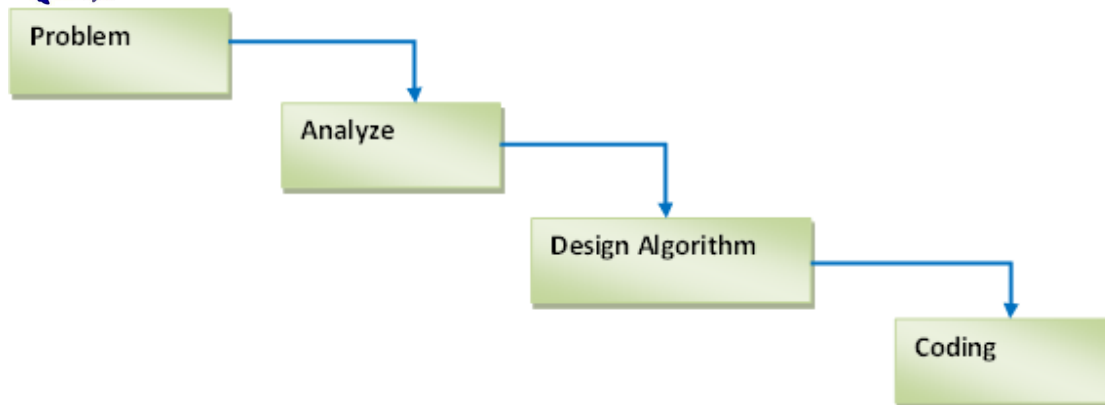


FIGURE.Problem – Solving Technique

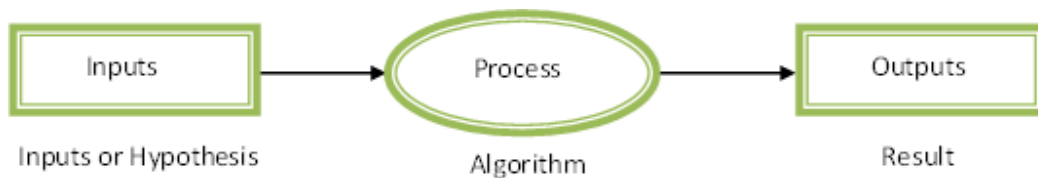


FIGURE.Flow – Chart of a Problem

Problem: - The term payroll encompasses every employee of a company who receives a regular wage or other compensation. Some employees may be paid a steady salary while others are paid for hours worked or the number of items produced. All of these different payment methods are calculated by a payroll specialist and the appropriate paychecks are issued. Companies often use objective measuring tools such as timecards or timesheets completed by supervisors to

determine the total amount of payroll due each pay period. In a company, payroll is the sum of all financial records of salaries, wages, bonuses and deductions. The current Federal payroll service environment evolved over many years of incremental changes that have been implemented in different ways across the Government. The influence of Agency-unique interpretation of legislation, regulation, and HR policies have all contributed to a complex set of requirements

that, when taken together, create an obstacle to the modernization of payroll systems and processes. Twenty-two Government providers currently deliver Federal civilian payroll services using 14 separate systems. The four largest – Department of Agriculture, Department of Defense, Department of Interior, and General Services Administration – service over 80 percent of the total civilian payroll, accommodating over 190 different pay plans. Because of age and capacity limitations of payroll processing environments, many service providers have either considered or completed capital investments in payroll systems infrastructure. Over the years, Federal agencies have attained cost savings through consolidation of their payroll operations with Federal payroll providers by Achieving cost avoidance in both capital investment and daily business operations EPSCO started out in 1995 from very humble beginnings driven by passion, dedication and hard work by all the staff that joined us having a strong belief...

Analyze: - I analyze this problem which is serious and it should have easy solution. Then I have made an algorithm which is necessary to solve this problem. With the

help of this algorithm and database model diagram in my research I am able to access the data or also able to generate the Payroll System of the organization with the programming and support with database and give the results better for any organization.

Design Algorithm: - The steps of this algorithm used in my research are as follow:
-

Payroll is an important part of a company's processes because it's how employees get their paychecks. If it's not done correctly, employees may not get paid on time. Developing a payroll system flow chart helps to streamline the process and illustrates from start to finish exactly how checks are written and distributed. Think of your flow chart as a cheat sheet: The chart should cover both manual and automatic payroll processes unique to your company's payroll system.

Step 1

Outline the high points beginning with how amounts are determined through delivery to employees. Include information about collecting time cards, entering hours worked and calculating gross and net pay. Also include how checks are produced and delivered.

Step 2

Go back to the beginning of your flow chart and determine what secondary functions need to be added, such as adding a new employee or what happens if a change needs to be made in payroll. Depending on your payroll system, there may be functions that are done automatically, such as calculating the amount of tax deductions that should need to be included. Add these functions into the chart at appropriate stages, such as putting calculating deductions after figuring total income for the period.

Step 3

Add detail to your steps. Once you have a complete outline of the steps of your payroll process, you need to flesh out details on how to do them on your flow chart. Under each manual function, describe how each one is

completed. Steps that are done automatically should have a notation that explains they are done by the computerized system without manual input. If the step is completed by an outsourced payroll company, you should also note that.

Step 4

Assign a role to each step. Include who in your company is responsible for each function. For instance, the payroll manager may need to approve new employees before they are added to the system. The CEO may be responsible for approving payroll before it is distributed. The CFO may need to sign checks. Anywhere that a specific person is responsible for a step in the payroll process, note that person's title, name or both beside the step on your flow chart.

Algorithm (Detailed Design)

The detailed design for the algorithm is shown below:

Module 0 - PayrollSystem
Begin Call GetPayDetails Using HoursWorked, HourlyRate Call CalcPayroll Using HoursWorked, HourlyRate, OvertimePay, GrossPay Call DisplayPayroll Using HoursWorked, HourlyRate, GrossPay End
Module 1 - GetPayDetails
Begin


```
Display 'Please enter the hours worked: '
Get HoursWorked
Display 'Please enter the hourly rate of pay: '
Get HourlyRate
End
```

Module 2 - CalcPayroll

```
Begin
If (HoursWorked is greater than 40) Then
Begin { If }
Calculate OvertimeHours as HoursWorked - BasicHours
Calculate GrossPay as (BasicHours * HourlyRate) + (OvertimeHours * 1.5 * HourlyRate)
End { If }
Else
Begin { Else }
Calculate GrossPay as (HoursWorked * HourlyRate)
End { Else }
End
```

Module 3 - DisplayPayroll

```
Begin
Display GrossPay
End
```

RESULT

EXPERIMENTAL RESULTS

6.1 A PROPOSED PAYROLL SYSTEM

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and Development of a purposed Payroll System is completely attached with database system. In this research we can attach visual basic 6.0 programming language, database with Crystal Reports. We can attach with database of a Payroll and generate the

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System of the organization, which is better for the organization to make an efficient system. This research is completely based on coding. We show the overall payroll system with the help of payroll software and we show all the visual basic forms of payroll system. Here we represent some form of my research are as follow: -



FIGURE 7. My Payroll software Login Form

FIGURE 8.The Payroll Main MDI Form

SrtNo	Date	Emp Name	DOJ	DOR	EmpldNo	DeptCategory	Designation	Basic Pay	Mobile	Mobile1
1	3/6/2014	Dr. Nachhater Singh Malhi	3/6/2014	3/6/2014		Administrative Staff	Vice Chancellor	125000	9814860222	9814860222
2	3/6/2014	Prof. Gurbhajan Singh Gill	3/6/2014	3/6/2014		Administrative Staff	Director Planners	100000	9814158222	9814158222
3	3/6/2014	Dr. Narinder Singh	3/6/2014	3/6/2014		Administrative Staff	Director Finance	90500	9815912753	9815912753
4	3/6/2014	Dr. B. S. Dhaliwal	3/6/2014	3/6/2014		Administrative Staff	Dean Academics	125000	9417234072	9417234072
5	3/6/2014	Mr. Satish Kumar Goswami	3/6/2014	3/6/2014		Administrative Staff	Registrar	60000	8194936222	8194936222
6	3/6/2014	Mr. Harpal Singh	2/3/2014	3/6/2014		Administrative Staff	Director Campus	50000		
7	3/6/2014	Mr. Ashwani Sethi	3/6/2014	3/6/2014		Administrative Staff	Dy. Dean/Dy. Registrar	48480	9878477699	9878477699
8	3/6/2014	Mr. Karanjev Singh	3/6/2014	3/6/2014	101533	Administrative Staff	TPD	30000	9814552222	8725035222
9	3/6/2014	Mr. Bajinder Singh Mann	3/6/2014	3/6/2014		Administrative Staff	Controller of Examination	38000		
10	3/6/2014	Mr. Nayak Das	3/6/2014	3/6/2014		Administrative Staff	A.O.	14000	9803543755	8725035226
11	3/6/2014	Mr. Kuldeep Singh	3/6/2014	3/6/2014		Administrative Staff	Supervisor	6950		
12	3/6/2014	Mr. Dhampal Singh	3/6/2014	3/6/2014		Administrative Staff	Elect.	9300		
13	3/6/2014	Mr. Jagga Singh	3/6/2014	3/6/2014		Administrative Staff	Supervisor	6500		
14	3/6/2014	Mr. Gurmeet Singh	3/6/2014	3/6/2014		Administrative Staff	Security Supervisor	12000		
15	3/6/2014	MS. Pooja Goyal	3/6/2014	3/6/2014	170010	Administrative Staff	PA/Registrar	7000	7696965328	8725035118
16	3/6/2014	Mrs. Sarjit Kaur	3/6/2014	3/6/2014	101480	Administrative Staff	P.A./Dy. Dean Devp.	8000	9815346202	8725035259
17	3/6/2014	Ms. Seema Rani	3/6/2014	3/6/2014	170005	Administrative Staff	P.A./ DR. Examination	7000	9872929745	9872929745
18	3/6/2014	Mr. Shiv Kumar	3/6/2014	3/6/2014	170003	Administrative Staff	P.A./ DR. Examination	7500	9530511624	9530511624
19	3/6/2014	Mr. Kishore Bala	3/6/2014	3/6/2014	105100	Administrative Staff	P.A.	7000	9456000000	9456000000

FIGURE 9.The Payroll Employees Form

Employee Payroll System

Master Setup Calculation Form Payroll Reports Utilities Help Terminate

Attendance Calculation Form

Attendance Calculation Form

Department Category

SiNo Department Category

1 Administrative Staff
2 Establishment Section
3 Maintenance Section
4 Academic Cell
5 Accounts Section
6 Comp Hardware And Non Teaching
7 Hostel Warden
8 Library Department
9 ECE Dept
10 CSE Dept
11 Mech.Dept
12 Applied Dept
13 Workshop Dept
14 MBA Department
15 Civil Department
16 Electrical Department
17 Agriculture Department
18 Physical Department
19 Dept of Languages
20 School Department
21 Dept of IT Research
22 Dept of Petrochemical and Refining
23 Other EPF and Third Class Staff
24 Administrative Staff1
25 Establishment Section1

Dated :- 7 / 9 / 2014 Please Fill the Total Days of This Month :- 31

Emp Name	Designation	MonthDays	WPS	NetDays
Dr. Nachhater Singh Malhi	Vice Chancellor	31	2	29
Prof. Gurbhajan singh Gill	Director Planners	31	2	29
Dr. Narinder Singh	Director Finance	31	2	29
Dr. B. S. Dhalwal	Dean Academics	31	2	29
Mr. Satish Kumar Goswami	Registrar	31	2	29
Mr. Harpal Singh	Director Campus	31	2	29
Mr. Ashwani Sethi	Dy. Dean/Dy. Registrar	31	2	29
Mr. Karanjeev Singh	TPD	31	1.5	29.5
Mr. Barjinder Singh Mann	Controller of Examination	31	.5	30.5
Mr. Nayak Das	A.O	31	.5	30.5
Mr. Kuldeep singh	Supervisor	31	1	30
Mr. Dhampal Singh	Elect.	31	1	30
Mr. Jagga Singh	Supervisor	31	1	30
Mr. Gurmeet Singh	Security Supervisor	31	1	30
MS. Pooja Goyal	PA/Registrar	31	1	30
Mrs. Sarjit Kaur	P.A./Dy. Dean Devp.	31	2	29
Ms. Seema Rani	P.A/ DR. Examination	31	2	29
Mr. Shiv Kumar	P.A/ DR. Examination	31	2	29
Ms. Krishan Bala	DEO	31	2	29
Ms. Anju Bala	Clerk	31	2	29
Ms. Amanjeet Kaur	P.A./Director Planning	31	2	29

Print Save Cancel Exit

Employee Payroll System 7/9/2014 3:00 AM User Name :- Admin CAPS INS NUM

FIGURE 10.The Payroll Attendance Form

Employee Payroll System

Master Setup Calculation Form Payroll Reports Utilities Help Terminate

Total Earning Form

Total Earning Form

Department Category

SiNo Department Category

1 Administrative Staff
2 Establishment Section
3 Maintenance Section
4 Academic Cell
5 Accounts Section
6 Comp Hardware And Non Teaching
7 Hostel Warden
8 Library Department
9 ECE Dept
10 CSE Dept
11 Mech.Dept
12 Applied Dept
13 Workshop Dept
14 MBA Department
15 Civil Department
16 Electrical Department
17 Agriculture Department
18 Physical Department
19 Dept of Languages
20 School Department
21 Dept of IT Research
22 Dept of Petrochemical and Refining
23 Other EPF and Third Class Staff
24 Administrative Staff1
25 Establishment Section1

Dated :- 7 / 9 / 2014

Emp Name	Designation	Month	MonthDays	BasicPay	DA	Allow.
Dr. Nachhater Singh Malhi	Vice Chancellor	7	31	125000	3000	
Prof. Gurbhajan singh Gill	Director Planners	7	31	100000		
Dr. Narinder Singh	Director Finance	7	31	90500		
Dr. B. S. Dhalwal	Dean Academics	7	31	125000		
Mr. Satish Kumar Goswami	Registrar	7	31	60000		
Mr. Harpal Singh	Director Campus	7	31	50000		
Mr. Ashwani Sethi	Dy. Dean/Dy. Registrar	7	31	48480		
Mr. Karanjeev Singh	TPD	7	31	30000		
Mr. Barjinder Singh Mann	Controller of Examination	7	31	38000	2000	
Mr. Nayak Das	A.O	7	31	14000		
Mr. Kuldeep singh	Supervisor	7	31	6950		
Mr. Dhampal Singh	Elect.	7	31	9300		
Mr. Jagga Singh	Supervisor	7	31	6500		
Mr. Gurmeet Singh	Security Supervisor	7	31	12000		
MS. Pooja Goyal	PA/Registrar	7	31	7000		
Mrs. Sarjit Kaur	P.A./Dy. Dean Devp.	7	31	8000		
Ms. Seema Rani	P.A/ DR. Examination	7	31	7000		
Mr. Shiv Kumar	P.A/ DR. Examination	7	31	7500	1000	
Ms. Krishan Bala	DEO	7	31	7000		
Ms. Anju Bala	Clerk	7	31	10000		
Ms. Amanjeet Kaur	P.A./Director Planning	7	31	8000		

Print Save Cancel Exit

Employee Payroll System 7/9/2014 3:04 AM User Name :- Admin CAPS INS NUM

FIGURE 11.The Payroll Earning Form

Employee Payroll System

Master Setup Calculation Form Payroll Reports Utilities Help Terminate

Total Deduction Calculation

Department Category

SrNo Department Category

Dated :- 7 / 9 / 2014

Emp Name	Designation	Month	MonthDays	GrossAmt	Advance	PF
Dr. Nachhater Singh Malhi	Vice Chancellor	7	31	119741.94		
Prof. Gurbhajan singh Gill	Director Planners	7	31	93548.39		
Dr. Narinder Singh	Director Finance	7	31	84661.29		
Dr. B. S. Dhaliwal	Dean Academics	7	31	116935.48		1000
Mr. Satish Kumar Goswami	Registrar	7	31	59870.97		
Mr. Harpal Singh	Director Campus	7	31	46774.19		
Mr. Ashwani Sethi	Dy. Dean/Dy. Registrar	7	31	45352.26		
Mr. Karanjeev Singh	TPD	7	31	28064.52		
Mr. Barjinder Singh Mann	Controller of Examination	7	31	38064.52		
Mr. Nayak Das	A.O	7	31	13322.58		
Mr. Kuldeep singh	Supervisor	7	31	6613.71	4000	
Mr. Dhampal Singh	Elect.	7	31	9000		
Mr. Jagga Singh	Supervisor	7	31	6290.32		
Mr. Gurmeet Singh	Security Supervisor	7	31	11612.9		
MS. Pooja Goyal	PA/Registrar	7	31	6774.19		
Mrs. Sarbjit Kaur	P.A./Dy. Dean Devp.	7	31	7741.94		
Ms. Seema Rani	P.A./ DR. Examination	7	31	6774.19		
Mr. Shiv Kumar	P.A/ DR. Examination	7	31	8362.9		
Ms. Krishan Bala	DEO	7	31	6887.1		500
Ms. Anju Bala	Clerk	7	31	9838.71		
Ms. Amanjeet Kaur	P.A./Director Planning	7	31	7741.94		

Print Save Cancel Exit

Employee Payroll System 7/9/2014 3:06 AM User Name :- Admin CAPS INS NUM

FIGURE 12.The Payroll Deduction Form

Employee Payroll System

Master Setup Calculation Form Payroll Reports Utilities Help Terminate

Salary Setup Form

Department Category

SrNo Department Category

Dated :- 7 / 9 / 2014

Emp Name	Designation	Month	BasicPay	NetDays	T.Earning	T.Deduction
Dr. Nachhater Singh Malhi	Vice Chancellor	7	125000	29	119741.94	
Prof. Gurbhajan singh Gill	Director Planners	7	100000	29	93548.39	
Dr. Narinder Singh	Director Finance	7	90500	29	84661.29	
Dr. B. S. Dhaliwal	Dean Academics	7	125000	29	116935.48	1000
Mr. Satish Kumar Goswami	Registrar	7	60000	29	59870.97	
Mr. Harpal Singh	Director Campus	7	50000	29	46774.19	
Mr. Ashwani Sethi	Dy. Dean/Dy. Registrar	7	48480	29	45352.26	
Mr. Karanjeev Singh	TPD	7	30000	29	28064.52	
Mr. Barjinder Singh Mann	Controller of Examination	7	38000	29.5	38064.52	
Mr. Nayak Das	A.O	7	14000	29.5	13322.58	
Mr. Kuldeep singh	Supervisor	7	6950	29.5	6613.71	4000
Mr. Dhampal Singh	Elect.	7	9300	30	9000	
Mr. Jagga Singh	Supervisor	7	6500	30	6290.32	
Mr. Gurmeet Singh	Security Supervisor	7	12000	30	11612.9	
MS. Pooja Goyal	PA/Registrar	7	7000	30	6774.19	
Mrs. Sarbjit Kaur	P.A./Dy. Dean Devp.	7	8000	30	7741.94	
Ms. Seema Rani	P.A/ DR. Examination	7	7000	30	6774.19	
Mr. Shiv Kumar	P.A/ DR. Examination	7	7500	30.5	8362.9	
Ms. Krishan Bala	DEO	7	7000	30.5	6887.1	500
Ms. Anju Bala	Clerk	7	10000	30.5	9838.71	
Ms. Amanjeet Kaur	P.A./Director Planning	7	8000	30	7741.94	

Save Cancel Exit

Employee Payroll System 7/9/2014 3:09 AM User Name :- Admin CAPS INS NUM

FIGURE 13.The Payroll Salary Form

CONCLUSION AND FUTURE WORK

This chapter is based upon the conclusion of what we have done so far and how the system can be further enhanced with an increase in requirements.

Conclusion

The criteria set for goals are to generate files, deliver on time, performance and efficiency issues of the system. The major goal we have achieved is to generate the bank files/invoices for the banks with salary information so that the banks are able to transfer the salaries of the employees into their accounts. After developing the system, we calculated the salary and generated a Bank file. The bank file was then sent to the bank and was practically done successful to check the performance and efficiency of the system. It is a load, stress and performance testing tool for web sites and web applications. We created basic testing scenarios and hence got some meaningful results. These results are showing that this web application is efficient and performing very well.

Our target was to deliver the system by the end of October 2010. Whereas, we finalized it by 15th October 2010 and delivered well

on time. The system we developed is more customized and specifically designed according to the requirements of our client and is able to integrate with the existing AMG's system to form one complete computerized system for the organization.

The system is able to calculate employees' salaries according to certain parameters, such as age. It is also able to generate specific files for the organization such as employee salary slips and bank files. The system is also able to calculate tax payable by the organization on the basis of certain formulas provided by the tax authorities according to the Swedish law. It generates and sends tax files to tax office; moreover, the system is more cost effective as compare to other salary management systems.

As this system is integrated with the existing system so does not need new resources to run the system. Therefore, it is easy to handle single system instead of two. Maintenance is easy and requires no further cost; further enhancement is possible according to the requirements of the organization which is not possible in the case of using existing salary management software's available in the market. Hence the system is developed successfully and is in proper function ac-

Cording to our goals and criteria

Future Enhancements

Budget Program

This salary management program can be further enhanced by a budget pro-gram in future. In budget program every team leader will have support to manage and utilize specific amount of money in a better way. With this amount he will manage everything like stadium rent, office expenditures and employees salaries.

Visual Representation of Data

Graphs and charts can be added into future version of salary management program. Through these charts or graphs management can see the change in the salary of an employee or over all increment in salaries of employees. Management can also analyze the tax paid by company in different time periods.

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